



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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› HUH

› Monitoring Relays

› Voltage Monitoring Relays

› DIN Rail Mount 35 mm

- › Control of AC and DC voltages
- › Automatic recognition of AC/DC
- › Measurement ranges from 0.2 V to 600 V
- › Choice between under and overvoltage
- › True RMS measurement
- › Selectable latching (memory) function



| Specifications | | | |
|-------------------|-------------------|---------------------|----------|
| Functions | Measurement range | Nominal voltage (V) | Code |
| Under/Overvoltage | 15 V →600 V | 24 →240 V AC/DC | 84872130 |

| Power supply | |
|--|--------------------------|
| Supply voltage Un | 24 V →240 V AC/DC |
| Voltage supply tolerance | -15% / +10% |
| Operating range | 20,4 V →264 V AC/DC |
| Polarity with DC voltage | No |
| AC supply voltage frequency | 50 / 60 Hz ±10% |
| Galvanic isolation of power supply/measurement | No |
| Power consumption at Un | 3.5 VA in AC/0.6 W in DC |
| Immunity from micro power cuts | 10 ms |

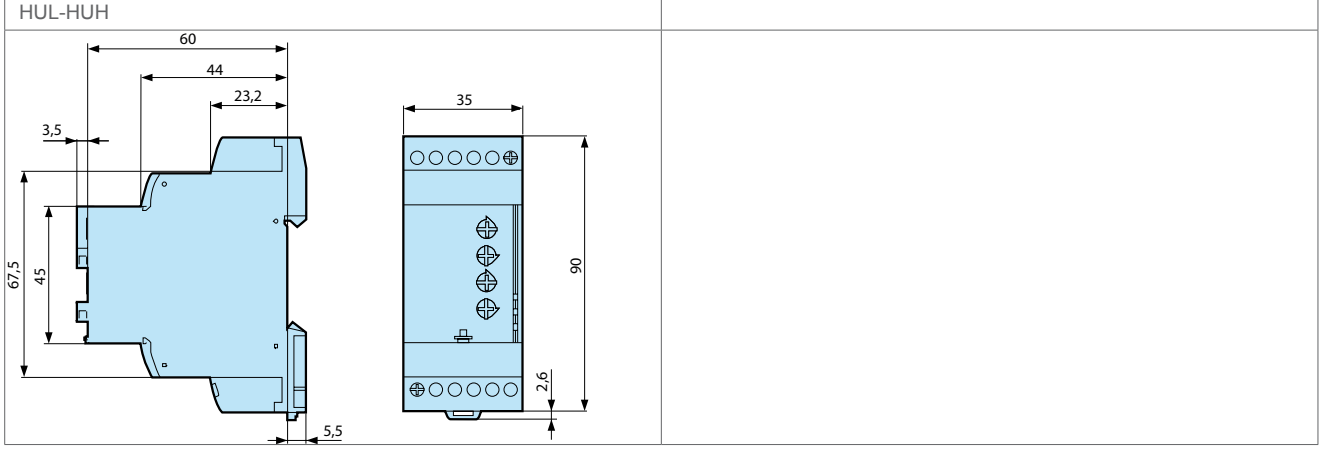
| Inputs and measuring circuit | |
|--|---|
| Frequency of measured signal | 0 Hz, 40 →70 Hz |
| Max. measuring cycle time | 30 ms/True RMS measurement |
| Threshold adjustment | 10 →100% of the range |
| Hysteresis | Adjustable from 5 →50% of displayed threshold |
| Display precision | ±10% of full scale |
| Repetition accuracy with constant parameters | ± 0,5% |
| Measuring error with voltage drift | < 1% across the whole range |
| Measuring error with temperature drift | ± 0,05% / °C |

| Time delays | |
|--|---------------------|
| Delay on threshold crossing Tt | 0,1 →3 s (0, + 10%) |
| Repetition accuracy with constant parameters | ± 2% |
| Reset time | 1500 ms |
| Delay on pick-up | < 600 ms |

| Outputs | |
|------------------|---------------------------|
| Type of output | 1 double changeover relay |
| Type of contacts | No cadmium |

| Outputs | |
|---|---|
| Maximum breaking voltage | 250 V AC/ DC |
| Max. breaking current | 5 A AC/DC |
| Min. breaking current | 10 mA / 5 VDC |
| Electrical life (number of operations) | 1 x 10 ⁵ |
| Breaking capacity (resistive) | 1250 VA AC |
| Maximum rate | 360 operations/hour at full load |
| Operating categories acc. to IEC/EN 60947-5-1 | AC12, AC13, AC14, AC15, DC12, DC13, DC14 |
| Mechanical life (operations) | 30 x 10 ⁶ |
| Insulation | |
| Nominal insulation voltage IEC/EN 60664-1 | 250 V |
| Insulation coordination (IEC/EN 60664-1) | Overvoltage category III : degree of pollution 3 |
| Rated impulse withstand voltage (IEC/EN 60664-1) | 4 kV (1,2 / 50 µs) |
| Dielectric strength (IEC/EN 60664-1) | 2 kV AC 50 Hz 1 min. |
| Insulation resistance (IEC/EN 60664-1) | > 500 MOhm(s) / 500 V DC |
| General characteristics | |
| Display power supply | Green LED |
| Display relay | Yellow LED |
| Casing | 35 mm |
| Mounting | On 35 mm symmetrical DIN rail, IEC/EN 60715 |
| Mounting position | All positions |
| Material : enclosure plastic type VO to UL94 standard | Incandescent wire test according to IEC/EN 60695-2-11 |
| Protection (IEC/EN 60529) | Terminal block : IP 20 Casing : IP 30 |
| Weight | 130 g |
| Connecting capacity IEC/EN 60947-1 | Rigid : 1 x 4 ² - 2 x 2.5 ² mm ² 1 x 11 AWG - 2 x 14 AWG Flexible with ferrules : 1 x 2.5 ² - 2 x 1.5 ² mm ² 1 x 14 AWG - 2 x 16 AWG |
| Max. tightening torques IEC/EN 60947-1 | 0,6 → 1 Nm / 5,3 → 8,8 Lbf.In |
| Operating temperature IEC/EN 60068-2 | -20 → +50 °C |
| Storage temperature IEC/EN 60068-2 | -40 → +70 °C |
| Humidity IEC/EN 60068-2-30 | 2 x 24 hr cycle 95% RH max. without condensation 55 °C |
| Vibrations according to IEC/EN60068-2-6 | 10 → 150 Hz, A = 0.035 mm |
| Shocks IEC/EN 60068-2-6 | 5 g |
| Standards | |
| Product standard | IEC/EN 60255-1 |
| Electromagnetic compatibility (EMC) | IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4 |
| Certifications | UL, CSA |
| Marking | CE (DBT) 2006/95/EC - EMC 2004/108/EC |
| Conformity with environmental directives | RoHS |

Dimensions



Curves

Connections

